

SERIAL NO. 10/510,055

PATENT
PU020098**Listing and Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A video playback apparatus having means to invoke one of a replay function and a reverse functions function upon receipt of a replay-reverse multipurpose-remote-control first signal, ~~depending on~~ in response to a duration of the replay-reverse multipurpose-remote-control first signal, and means to invoke one of a skip function and a forward functions function upon receipt of a skip-forward multipurpose-remote-control second signal different from the replay-reverse multipurpose-remote-control first signal, ~~depending on~~ in response to a duration of the skip-forward multipurpose-remote-control second signal.
2. (Currently Amended) The video playback apparatus of claim 1 wherein the replay function is invoked upon receipt of the replay-reverse multipurpose-remote-control first signal ~~for a~~ exhibiting said duration of time below a first replay-reverse predetermined threshold, and the reverse function with a first reverse speed is invoked upon receipt of the replay-reverse multipurpose-remote-control first signal ~~for a~~ exhibiting said duration of time above the first replay-reverse predetermined threshold, and wherein the skip function is invoked upon receipt of the skip-forward multipurpose-remote-control second signal ~~for a~~ exhibiting said duration of time below a first skip-forward predetermined threshold and a first forward function with a first forward speed is invoked upon receipt of the skip-forward multipurpose-remote-control second signal ~~for a~~ exhibiting said duration of time above the first skip-forward predetermined threshold.
3. (Original) The video playback apparatus of claim 2 wherein the first skip-forward predetermined threshold is one second and the first replay-reverse predetermined threshold is one second.
4. (Currently Amended) The video playback apparatus of claim 3 wherein the reverse function has the first reverse speed and a second reverse speed faster than the first

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reverse speed, and upon receipt of the ~~replay-reverse-multipurpose-remote-control~~ first signal for a exhibiting said duration of time greater than the first replay-reverse predetermined threshold, the first reverse speed is invoked, and upon receipt of the ~~replay-reverse-multipurpose-remote-control~~ first signal for a exhibiting said duration greater than a second replay-reverse predetermined threshold, the second reverse speed is invoked.

5. (Currently Amended) The video playback apparatus of claim 3 wherein the forward function has the first forward speed and a second forward speed faster than the first forward speed, and upon receipt of the first ~~skip-forward-multipurpose-remote-control~~ occurrence of the second signal for a exhibiting said duration of time greater than the first skip-forward predetermined threshold, the first forward speed is invoked, and upon receipt of the ~~skip-forward-multipurpose-remote-control~~ second signal for a exhibiting said duration greater than a second skip-forward predetermined threshold greater than the first skip-forward predetermined threshold, the second forward speed is invoked.

6. (Currently Amended) The video playback apparatus of claim 5 wherein upon receipt of the ~~skip-forward-multipurpose-remote-control~~ second signal for exhibiting said duration greater than a next greater skip-forward predetermined threshold, the next faster forward speed is invoked, up to the highest available forward speed.

7. (Previously Presented) The video playback apparatus of claim 5 wherein the second forward predetermined threshold is at least one second greater than the first forward predetermined threshold.

8. (Currently Amended) The video playback apparatus of claim 4 wherein upon receipt of the ~~replay-reverse-multipurpose-remote-control~~ first signal for exhibiting said duration greater than a next greater replay-reverse predetermined threshold, the next faster reverse speed is invoked, up to the highest available reverse speed.

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9. (Previously Presented) The video playback apparatus of claim 4 wherein the second replay-reverse predetermined threshold is at least one second greater than the first replay-reverse predetermined threshold.

10. (Previously Presented) The video playback apparatus of claim 1 having 2X, 4X, 8X, and 16X forward speeds and -2X, -4X, -8X, and -16X reverse speeds.

11. (Currently Amended) The video playback apparatus of claim 1 wherein duration of a remote control signal selected from the first signal and the second signal is calculated based on number of repetitions of code signal included in the remote control signal received, each repetition separated by a predetermined gap.

12. (Original) The video playback apparatus of claim 11 wherein the predetermined gap is between 1 and 10 milliseconds.

13. (Previously Presented) The video playback apparatus of claim 11 wherein an end of a remote control signal is calculated upon a gap between repetitions of receipt of a code signal of greater than 20 milliseconds in the remote control signal.

14. (Original) The video playback apparatus of claim 1 having one or more functionalities in addition to video playback, the functionalities selected from DSL, integrated receiver-decoder, WinTV, and personal computer.

15. (Currently Amended) A remote control device for use with a video playback apparatus of claim 1 having a replay-reverse multipurpose key and a skip-forward multipurpose key for generating the ~~replay-reverse~~ first signal and ~~the skip-forward multipurpose remote-control signals~~ second signal, respectively, when activated.

16. (Currently Amended) The remote control device of claim 15 having means to send ~~[[a]] multipurpose remote-control~~ the first signal when ~~[[a]] the replay-reverse~~ multipurpose key is pressed and the second signal when the skip-forward multipurpose key is pressed.

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17. (Currently Amended) The remote control device of claim 15 having means to send repetitions of ~~a multipurpose remote control~~ the first signal when [[a]] the replay-reverse multipurpose key is activated and to send repetitions of the second signal when the skip-forward multipurpose key is activated, each repetition separated by a predetermined gap.

18. (Original) The remote control device of claim 17 wherein the predetermined gap is between 1 and 10 milliseconds.

19. (Original) The remote control device of claim 17 wherein the predetermined gap is about 2 milliseconds.

20. (Currently Amended) A system comprising a video playback apparatus according to claim 1 and a remote control device having a replay-reverse multipurpose key for generating the ~~replay-reverse multipurpose remote control~~ first signal and a skip-forward multipurpose key for generating the ~~skip-forward multipurpose remote control~~ second signal.

21. (Currently Amended) A method of controlling operation of a digital video playback apparatus, the method comprising the steps of:

invoking a skip function upon receipt of a ~~remote control skip-forward~~ second signal ~~for exhibiting~~ less than a first predetermined duration, invoking a forward function ~~with exhibiting~~ a first forward speed upon receipt of the ~~skip-forward remote control~~ second signal ~~for exhibiting~~ greater than the first predetermined duration, invoking the forward function ~~with exhibiting~~ a second, faster forward speed upon receipt of either the ~~skip-forward remote control~~ second signal ~~for exhibiting~~ greater than a second predetermined duration or upon receipt of a second ~~skip-forward remote control~~ occurrence of the second signal; and

invoking a replay function upon receipt of a ~~replay-reverse remote control~~ first signal ~~for exhibiting~~ less than a first predetermined duration, invoking a reverse function ~~with exhibiting~~ a first reverse speed upon receipt of the ~~replay-reverse remote control~~

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first signal ~~for exhibiting~~ greater than the first predetermined duration, invoking the reverse function ~~with exhibiting~~ a second, faster reverse speed upon receipt of either the ~~replay-reverse-remote-control~~ first signal ~~for exhibiting~~ greater than a second predetermined duration or upon receipt of a second ~~replay-remote-control~~ occurrence of the first signal.

22. (Original) A electronic playback apparatus capable of receiving an external speed control signal for controlling playback speed, the electronic playback apparatus comprising:

a receiver for receiving the external speed control signal;

a microprocessor for varying the playback speed according to duration of the external speed control signal.

23. (Original) The electronic playback apparatus of claim 22, wherein the playback speed is forward speed.

24. (Original) The electronic playback apparatus of claim 22, wherein the playback speed is reverse speed.

25. (Original) The electronic playback apparatus of claim 22, wherein the external speed control signal is a signal generated by holding down a key for a skip-forward function.

26. (Original) The electronic playback apparatus of claim 22, wherein the external speed control signal is a signal generated by holding down a key for a play function.

27. (Original) The electronic playback apparatus of claim 22, wherein the external speed control signal is a signal generated by holding down a key for a replay-reverse function.